iriumational Application No PCT/EP2004/051280

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N9/00 C12N9/52

According to International Palent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBL

A US 6 582 947 B1 (KARLSSON ANNA ET AL) 24 June 2003 (2003-06-24) X Table 3 and claim 1 T PISKUR J ET AL: "Animal deoxyribonucleoside kinases: 'forward' and 'retrograde' evolution of their substrate specificity" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 560, no. 1-3, 27 February 2004 (2004-02-27), pages 3-6, XP004492481 ISSN: 0014-5793 the whole document	C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Z4 June 2003 (2003-06-24) Table 3 and claim 1 PISKUR J ET AL: "Animal deoxyribonucleoside kinases: 'forward' and 'retrograde' evolution of their substrate specificity" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 560, no. 1-3, 27 February 2004 (2004-02-27), pages 3-6, XP004492481 ISSN: 0014-5793	Relevant to claim No.					
Table 3 and claim 1 PISKUR J ET AL: "Animal deoxyribonucleoside kinases: 'forward' and 'retrograde' evolution of their substrate specificity" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 560, no. 1-3, 27 February 2004 (2004-02-27), pages 3-6, XP004492481 ISSN: 0014-5793	1-55					
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-/	1-15					

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earlier document but published on or after the international filing date L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O* document referring to an oral disclosure, use, exhibition or other means P* document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the International search 13 October 2004	Date of mailing of the international search report 03/11/2004		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer Simm, M.D.		

International Application No
PCT/EP2004/051280

	ition) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	KUNISHIGE I ET AL: "Suicide gene therapy for human uterine adenocarcinoma cells using herpes simplex virus thymidine kinase" MEDLINE, 1 January 1999 (1999-01-01), XP002256196 ABSTRACT	23-55		
Y	DATABASE EMBL 'Online! 17 February 2003 (2003-02-17), XP002299221 retrieved from EMBL Database accession no. CB251541 the whole document	1-15		
X	KNECHT, W ET AL.: "Mosquito has a single multisubstrate deoxyribonucleoside kinase characterised by unique substrate specificity." NUCLEIC ACIDS RESEARCH, vol. 31, no. 6, 15 March 2003 (2003-03-15), pages 1665-1672, XP002299350	1-3,7,8, 10-12,15		
Y	Abstract, materials and methods and Discussion & DATABASE UNIPROT Multisubtrate deoxyribonucleoside kinase 1 June 2003 (2003-06-01), Database accession no. Q86LB8 abstract	1–15		
A	WO 01/88106 A (MUNCH PETERSEN BIRGITTE; PISKUR JURE (DK); KNECHT WOLFGANG (DK)) 22 November 2001 (2001-11-22) the whole document	1-55		

International application No. PCT/EP2004/051280

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 33-50 because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 33-50 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This international Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

Internal Application No
PCT/EP2004/051280

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